ABSTRACT

A control section 101 outputs retransmission information as to whether or not a transmit signal is a retransmission signal, and if a retransmission signal, 5 which (first, second, etc.) retransmission this is, to a selection section 107. An IFFT section 103 performs orthogonal frequency division multiplexing processing of the transmit signal. A GI insertion section 104 10 inserts a guard interval in the transmit signal. A GI insertion section 105 inserts in the transmit signal a quard interval longer than the guard interval inserted by GI insertion section 104. A GI insertion section 106 inserts in the transmit signal a quard interval longer 15 than the guard intervals inserted by GI insertion section 104 and GI insertion section 105. Based on the retransmission information input from control section 101, selection section 107 selects a transmit signal in which a longer guard interval has been inserted as the 20 number of retransmissions increases. By this means it is possible to prevent an increase in transmission delay due to an excessive increase in the number of retransmissions with almost no lowering of transmission efficiency.